

**PATENT**  
Docket No. 5634.345

95 FEB -1 PM 4:07  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventors: John C. Harvey and James W.  
Cuddihy

Serial No.: 08/498,002

Filing Date: 7-Jun-95

For: Signal Processing Apparatus and  
Methods

Group Art Unit: 2602

Examiner:

#8  
Flogar  
4-3-97

Assistant Commissioner of Patents  
Washington D.C. 20231

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a) and in conformance with the procedures of 37 C.F.R. §§ 1.97-98 and M.P.E.P. § 609, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449.

The above-referenced application claims priority under 35 U.S.C. § 120 of the following applications:

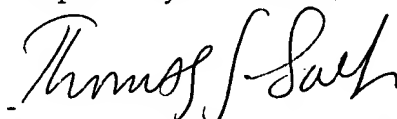
| <u>Serial No.</u> | <u>Filing Date</u> | <u>Patent No.</u> |
|-------------------|--------------------|-------------------|
| 08/113,329        | August 30, 1993    | Pending           |
| 08/056,501        | May 3, 1993        | 5,335,277         |
| 07/849,226        | March 10, 1992     | 5,233,654         |
| 07/588,126        | September 25, 1990 | 5,109,414         |
| 07/096,096        | September 11, 1987 | 4,965,825         |
| 06/829,531        | February 14, 1986  | 4,704,725         |
| 06/317,510        | November 3, 1981   | 4,694,490         |

Applicants believe that all references cited on the attached 1449 form were submitted to the PTO in U.S. Patent Application Serial No. 08/397,582 filed March 2, 1995. Therefore, no copies of the listed references are provided herewith. It is respectfully requested that the information above be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

CERTIFICATION AND/OR FEE

Since this IDS is being filed pursuant to 37 C.F.R. § 1.97(b) before the later of three months after the filing date of the above-referenced application or the date of receipt of the first Office action on the merits, no certification or fee is required.

Respectfully submitted,



Thomas J. Scott, Jr. (Reg. No. 27,836)

Dated: January 31, 1996

HOWREY & SIMON  
1299 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004-2402  
(202) 783-0800 (telephone)  
(202) 383-6610 (telecopier)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :  
**John C. Harvey and James W. Cuddihy** : Examiner:  
 Serial No. 08/498,002 : Group Unit: 2602  
 Filed 7-Jun-95 : Atty Dkt: 5634.345  
 For **SIGNAL PROCESSING APPARATUS AND METHODS**

**COPENDING RELATED U.S. PATENT APPLICATIONS**

Assistant Commissioner of Patents  
 Washington, D.C. 20231

Sir:

Listed below are copending U.S. patent applications related to this application.

| <u><b>Application No.</b></u> | <u><b>Filing Date</b></u> | <u><b>Atty. Dkt.</b></u> |
|-------------------------------|---------------------------|--------------------------|
| 08/113,329                    | 30-Aug-93                 | 5634.008                 |
| 08/397,371                    | 2-March-95                | 5634.017                 |
| 08/397,582                    | 2-March-95                | 5634.010                 |
| 08/397,636                    | 2-March-95                | 5634.012                 |
| 08/435,757                    | 9-May-95                  | 5634.036                 |
| 08/435,758                    | 9-May-95                  | 5634.041                 |
| 08/437,044                    | 9-May-95                  | 5634.047                 |
| 08/437,045                    | 9-May-95                  | 5634.042                 |
| 08/437,629                    | 9-May-95                  | 5634.044                 |
| 08/437,635                    | 9-May-95                  | 5634.045                 |
| 08/437,791                    | 9-May-95                  | 5634.040                 |
| 08/437,819                    | 9-May-95                  | 5634.049                 |
| 08/437,864                    | 9-May-95                  | 5634.038                 |
| 08/437,887                    | 9-May-95                  | 5634.037                 |
| 08/437,937                    | 9-May-95                  | 5634.048                 |
| 08/438,011                    | 9-May-95                  | 5634.050                 |
| 08/438,206                    | 9-May-95                  | 5634.039                 |

|            |           |          |
|------------|-----------|----------|
| 08/438,216 | 9-May-95  | 5634.046 |
| 08/438,659 | 9-May-95  | 5634.043 |
| 08/439,668 | 15-May-95 | 5634.062 |
| 08/439,670 | 15-May-95 | 5634.081 |
| 08/440,657 | 15-May-95 | 5634.051 |
| 08/440,837 | 15-May-95 | 5634.059 |
| 08/441,027 | 16-May-95 | 5634.053 |
| 08/441,033 | 15-May-95 | 5634.060 |
| 08/441,575 | 15-May-95 | 5634.056 |
| 08/441,577 | 15-May-95 | 5634.080 |
| 08/441,701 | 15-May-95 | 5634.052 |
| 08/441,749 | 16-May-95 | 5634.082 |
| 08/441,821 | 16-May-95 | 5634.085 |
| 08/441,880 | 16-May-95 | 5634.075 |
| 08/441,942 | 16-May-95 | 5634.061 |
| 08/441,996 | 16-May-95 | 5634.086 |
| 08/442,165 | 16-May-95 | 5634.087 |
| 08/442,327 | 16-May-95 | 5634.083 |
| 08/442,335 | 16-May-95 | 5634.088 |
| 08/442,369 | 16-May-95 | 5634.055 |
| 08/442,383 | 16-May-95 | 5634.074 |
| 08/442,505 | 16-May-95 | 5634.084 |
| 08/442,507 | 16-May-95 | 5634.089 |
| 08/444,643 | 19-May-95 | 5634.111 |
| 08/444,756 | 19-May-95 | 5634.107 |
| 08/444,757 | 19-May-95 | 5634.103 |
| 08/444,758 | 19-May-95 | 5634.114 |
| 08/444,781 | 19-May-95 | 5634.110 |
| 08/444,786 | 19-May-95 | 5634.100 |
| 08/444,787 | 19-May-95 | 5634.118 |
| 08/444,788 | 19-May-95 | 5634.109 |
| 08/444,887 | 19-May-95 | 5634.115 |
| 08/445,045 | 19-May-95 | 5634.108 |
| 08/445,054 | 19-May-95 | 5634.101 |
| 08/445,290 | 19-May-95 | 5634.113 |
| 08/445,294 | 19-May-95 | 5634.119 |
| 08/445,296 | 19-May-95 | 5634.105 |
| 08/445,328 | 19-May-95 | 5634.112 |
| 08/446,123 | 19-May-95 | 5634.116 |
| 08/446,124 | 19-May-95 | 5634.117 |
| 08/446,429 | 22-May-95 | 5634.151 |
| 08/446,430 | 22-May-95 | 5634.152 |
| 08/446,431 | 22-May-95 | 5634.150 |
| 08/446,432 | 22-May-95 | 5634.149 |
| 08/446,494 | 22-May-95 | 5634.154 |

|            |           |          |
|------------|-----------|----------|
| 08/446,553 | 19-May-95 | 5634.104 |
| 08/446,579 | 19-May-95 | 5634.106 |
| 08/447,380 | 24-May-95 | 5634.125 |
| 08/447,414 | 23-May-95 | 5634.122 |
| 08/447,415 | 23-May-95 | 5634.129 |
| 08/447,416 | 23-May-95 | 5634.128 |
| 08/447,446 | 23-May-95 | 5634.135 |
| 08/447,447 | 23-May-95 | 5634.140 |
| 08/447,448 | 23-May-95 | 5634.132 |
| 08/447,449 | 23-May-95 | 5634.138 |
| 08/447,496 | 23-May-95 | 5634.121 |
| 08/447,502 | 23-May-95 | 5634.143 |
| 08/447,529 | 24-May-95 | 5634.144 |
| 08/447,611 | 23-May-95 | 5634.137 |
| 08/447,621 | 23-May-95 | 5634.156 |
| 08/447,679 | 23-May-95 | 5634.130 |
| 08/447,711 | 23-May-93 | 5634.153 |
| 08/447,712 | 23-May-95 | 5634.127 |
| 08/447,724 | 23-May-95 | 5634.131 |
| 08/447,726 | 23-May-95 | 5634.159 |
| 08/447,826 | 23-May-95 | 5634.126 |
| 08/447,908 | 23-May-95 | 5634.134 |
| 08/447,938 | 23-May-95 | 5634.133 |
| 08/447,974 | 23-May-95 | 5634.145 |
| 08/447,977 | 23-May-95 | 5634.141 |
| 08/448,099 | 23-May-95 | 5634.158 |
| 08/448,116 | 23-May-95 | 5634.157 |
| 08/448,141 | 23-May-95 | 5634.155 |
| 08/448,143 | 23-May-95 | 5634.120 |
| 08/448,175 | 23-May-95 | 5634.102 |
| 08/448,251 | 23-May-95 | 5634.142 |
| 08/448,309 | 23-May-95 | 5634.139 |
| 08/448,326 | 23-May-95 | 5634.123 |
| 08/448,643 | 24-May-95 | 5634.072 |
| 08/448,644 | 24-May-95 | 5634.163 |
| 08/448,662 | 24-May-95 | 5634.201 |
| 08/448,667 | 24-May-95 | 5634.179 |
| 08/448,794 | 24-May-95 | 5634.203 |
| 08/448,810 | 24-May-95 | 5634.177 |
| 08/448,833 | 24-May-95 | 5634.162 |
| 08/448,915 | 24-May-95 | 5634.069 |
| 08/448,916 | 24-May-95 | 5634.209 |
| 08/448,917 | 24-May-95 | 5634.165 |
| 08/448,976 | 24-May-95 | 5634.161 |
| 08/448,977 | 24-May-95 | 5634.071 |

|            |           |          |
|------------|-----------|----------|
| 08/448,978 | 24-May-95 | 5634.181 |
| 08/448,979 | 24-May-95 | 5634.207 |
| 08/449,097 | 24-May-95 | 5634.208 |
| 08/449,110 | 24-May-95 | 5634.204 |
| 08/449,248 | 24-May-95 | 5634.171 |
| 08/449,263 | 24-May-95 | 5634.172 |
| 08/449,281 | 24-May-95 | 5634.183 |
| 08/449,291 | 24-May-95 | 5634.068 |
| 08/449,302 | 24-May-95 | 5634.147 |
| 08/449,351 | 24-May-95 | 5634.170 |
| 08/449,369 | 24-May-95 | 5634.058 |
| 08/449,411 | 24-May-95 | 5634.180 |
| 08/449,413 | 24-May-95 | 5634.174 |
| 08/449,523 | 24-May-95 | 5634.182 |
| 08/449,530 | 24-May-95 | 5634.124 |
| 08/449,531 | 24-May-95 | 5634.176 |
| 08/449,532 | 24-May-95 | 5634.205 |
| 08/449,652 | 24-May-95 | 5634.146 |
| 08/449,697 | 24-May-95 | 5634.175 |
| 08/449,702 | 24-May-95 | 5634.202 |
| 08/449,717 | 24-May-95 | 5634.067 |
| 08/449,718 | 24-May-95 | 5634.164 |
| 08/449,798 | 24-May-95 | 5634.206 |
| 08/449,800 | 24-May-95 | 5634.184 |
| 08/449,829 | 24-May-95 | 5634.178 |
| 08/449,867 | 24-May-95 | 5634.169 |
| 08/449,901 | 23-May-95 | 5634.136 |
| 08/450,680 | 24-May-95 | 5634.200 |
| 08/451,203 | 26-May-95 | 5634.079 |
| 08/451,377 | 26-May-95 | 5634.070 |
| 08/451,496 | 26-May-95 | 5634.057 |
| 08/451,746 | 26-May-95 | 5634.078 |
| 08/452,395 | 26-May-95 | 5634.065 |
| 08/458,566 | 2-Jun-95  | 5634.230 |
| 08/458,699 | 2-Jun-95  | 5634.247 |
| 08/458,760 | 2-Jun-95  | 5634.217 |
| 08/459,216 | 2-Jun-95  | 5634.218 |
| 08/459,217 | 2-Jun-95  | 5634.231 |
| 08/459,218 | 2-Jun-95  | 5634.256 |
| 08/459,506 | 2-Jun-95  | 5634.224 |
| 08/459,507 | 2-Jun-95  | 5634.232 |
| 08/459,521 | 2-Jun-95  | 5634.233 |
| 08/459,522 | 2-Jun-95  | 5634.238 |
| 08/459,788 | 2-Jun-95  | 5634.243 |
| 08/460,043 | 2-Jun-95  | 5634.215 |

|            |          |          |
|------------|----------|----------|
| 08/460,081 | 2-Jun-95 | 5634.240 |
| 08/460,085 | 2-Jun-95 | 5634.239 |
| 08/460,120 | 2-Jun-95 | 5634.214 |
| 08/460,187 | 2-Jun-95 | 5634.220 |
| 08/460,240 | 2-Jun-95 | 5634.241 |
| 08/460,256 | 2-Jun-95 | 5634.254 |
| 08/460,274 | 2-Jun-95 | 5634.236 |
| 08/460,387 | 2-Jun-95 | 5634.219 |
| 08/460,394 | 2-Jun-95 | 5634.222 |
| 08/460,401 | 2-Jun-95 | 5634.242 |
| 08/460,556 | 2-Jun-95 | 5634.248 |
| 08/460,557 | 2-Jun-95 | 5634.245 |
| 08/460,591 | 2-Jun-95 | 5634.216 |
| 08/460,592 | 2-Jun-95 | 5634.225 |
| 08/460,634 | 2-Jun-95 | 5634.246 |
| 08/460,642 | 2-Jun-95 | 5634.244 |
| 08/460,668 | 2-Jun-95 | 5634.211 |
| 08/460,677 | 2-Jun-95 | 5634.221 |
| 08/460,711 | 2-Jun-95 | 5634.212 |
| 08/460,713 | 2-Jun-95 | 5634.253 |
| 08/460,743 | 2-Jun-95 | 5634.229 |
| 08/460,765 | 2-Jun-95 | 5634.255 |
| 08/460,766 | 2-Jun-95 | 5634.249 |
| 08/460,770 | 2-Jun-95 | 5634.237 |
| 08/460,793 | 2-Jun-95 | 5634.213 |
| 08/460,817 | 2-Jun-95 | 5634.223 |
| 08/466,887 | 6-Jun-95 | 5634.281 |
| 08/466,888 | 6-Jun-95 | 5634.270 |
| 08/466,890 | 6-Jun-95 | 5634.298 |
| 08/466,894 | 6-Jun-95 | 5634.276 |
| 08/467,045 | 6-Jun-95 | 5634.285 |
| 08/467,904 | 6-Jun-95 | 5634.284 |
| 08/468,044 | 6-Jun-95 | 5634.282 |
| 08/468,323 | 6-Jun-95 | 5634.292 |
| 08/468,324 | 6-Jun-95 | 5634.259 |
| 08/468,641 | 6-Jun-95 | 5634.263 |
| 08/468,736 | 6-Jun-95 | 5634.277 |
| 08/468,994 | 6-Jun-95 | 5634.297 |
| 08/469,056 | 6-Jun-95 | 5634.264 |
| 08/469,059 | 6-Jun-95 | 5634.288 |
| 08/469,078 | 6-Jun-95 | 5634.279 |
| 08/469,103 | 6-Jun-95 | 5634.300 |
| 08/469,106 | 6-Jun-95 | 5634.266 |
| 08/469,107 | 6-Jun-95 | 5634.294 |
| 08/469,108 | 6-Jun-95 | 5634.269 |

|            |          |          |
|------------|----------|----------|
| 08/469,109 | 6-Jun-95 | 5634.296 |
| 08/469,355 | 6-Jun-95 | 5634.260 |
| 08/469,496 | 6-Jun-95 | 5634.290 |
| 08/469,517 | 6-Jun-95 | 5634.287 |
| 08/469,612 | 6-Jun-95 | 5634.280 |
| 08/469,623 | 6-Jun-95 | 5634.273 |
| 08/469,624 | 6-Jun-95 | 5634.262 |
| 08/469,626 | 6-Jun-95 | 5634.272 |
| 08/470,051 | 6-Jun-95 | 5634.268 |
| 08/470,052 | 6-Jun-95 | 5634.302 |
| 08/470,053 | 6-Jun-95 | 5634.291 |
| 08/470,054 | 6-Jun-95 | 5634.265 |
| 08/470,236 | 6-Jun-95 | 5634.278 |
| 08/470,447 | 6-Jun-95 | 5634.275 |
| 08/470,448 | 6-Jun-95 | 5634.293 |
| 08/470,476 | 6-Jun-95 | 5634.301 |
| 08/470,570 | 6-Jun-95 | 5634.289 |
| 08/470,571 | 6-Jun-95 | 5634.261 |
| 08/471,024 | 6-Jun-95 | 5634.299 |
| 08/471,191 | 6-Jun-95 | 5634.267 |
| 08/471,238 | 6-Jun-95 | 5634.271 |
| 08/471,239 | 6-Jun-95 | 5634.283 |
| 08/471,240 | 6-Jun-95 | 5634.286 |
| 08/472,066 | 6-Jun-95 | 5634.295 |
| 08/472,399 | 7-Jun-95 | 5634.305 |
| 08/472,462 | 7-Jun-95 | 5634.315 |
| 08/472,980 | 7-Jun-95 | 5634.353 |
| 08/473,213 | 7-Jun-95 | 5634.320 |
| 08/473,224 | 7-Jun-95 | 5634.187 |
| 08/473,484 | 7-Jun-95 | 5634.258 |
| 08/473,927 | 7-Jun-95 | 5634.333 |
| 08/473,996 | 7-Jun-95 | 5634.073 |
| 08/473,997 | 7-Jun-95 | 5634.364 |
| 08/473,998 | 7-Jun-95 | 5634.328 |
| 08/473,999 | 7-Jun-95 | 5634.342 |
| 08/474,119 | 7-Jun-95 | 5634.330 |
| 08/474,139 | 7-Jun-95 | 5634.324 |
| 08/474,145 | 7-Jun-95 | 5634.303 |
| 08/474,146 | 7-Jun-95 | 5634.186 |
| 08/474,147 | 7-Jun-95 | 5634.226 |
| 08/474,496 | 7-Jun-95 | 5634.360 |
| 08/474,674 | 7-Jun-95 | 5634.319 |
| 08/474,963 | 7-Jun-95 | 5634.098 |
| 08/474,964 | 7-Jun-95 | 5634.064 |
| 08/475,341 | 7-Jun-95 | 5634.160 |



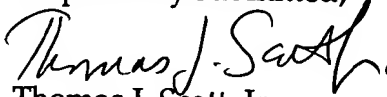
|            |          |          |
|------------|----------|----------|
| 08/475,342 | 7-Jun-95 | 5634.234 |
| 08/477,547 | 7-Jun-95 | 5634.329 |
| 08/477,564 | 7-Jun-95 | 5634.340 |
| 08/477,570 | 7-Jun-95 | 5634.335 |
| 08/477,660 | 7-Jun-95 | 5634.090 |
| 08/477,711 | 7-Jun-95 | 5634.312 |
| 08/477,712 | 7-Jun-95 | 5634.173 |
| 08/477,805 | 7-Jun-95 | 5634.197 |
| 08/477,955 | 7-Jun-95 | 5634.188 |
| 08/478,044 | 7-Jun-95 | 5634.334 |
| 08/478,107 | 7-Jun-95 | 5634.309 |
| 08/478,544 | 7-Jun-95 | 5634.306 |
| 08/478,663 | 7-Jun-95 | 5634.099 |
| 08/478,767 | 7-Jun-95 | 5634.316 |
| 08/478,794 | 7-Jun-95 | 5634.347 |
| 08/478,858 | 7-Jun-95 | 5634.351 |
| 08/478,864 | 7-Jun-95 | 5634.167 |
| 08/478,908 | 7-Jun-95 | 5634.313 |
| 08/479,042 | 7-Jun-95 | 5634.352 |
| 08/479,215 | 7-Jun-95 | 5634.358 |
| 08/479,216 | 7-Jun-95 | 5634.341 |
| 08/479,217 | 7-Jun-95 | 5634.093 |
| 08/479,374 | 7-Jun-95 | 5634.148 |
| 08/479,375 | 7-Jun-95 | 5634.326 |
| 08/479,414 | 7-Jun-95 | 5634.359 |
| 08/479,523 | 7-Jun-95 | 5634.365 |
| 08/479,524 | 7-Jun-95 | 5634.054 |
| 08/479,667 | 7-Jun-95 | 5634.192 |
| 08/480,059 | 7-Jun-95 | 5634.063 |
| 08/480,060 | 7-Jun-95 | 5634.227 |
| 08/480,383 | 7-Jun-95 | 5634.349 |
| 08/480,392 | 7-Jun-95 | 5634.310 |
| 08/480,740 | 7-Jun-95 | 5634.343 |
| 08/481,074 | 7-Jun-95 | 5634.190 |
| 08/482,573 | 7-Jun-95 | 5634.096 |
| 08/482,574 | 7-Jun-95 | 5634.210 |
| 08/482,857 | 7-Jun-95 | 5634.311 |
| 08/483,054 | 7-Jun-95 | 5634.195 |
| 08/483,169 | 7-Jun-95 | 5634.338 |
| 08/483,174 | 7-Jun-95 | 5634.251 |
| 08/483,269 | 7-Jun-95 | 5634.307 |
| 08/483,980 | 7-Jun-95 | 5634.066 |
| 08/484,275 | 7-Jun-95 | 5634.323 |
| 08/484,276 | 7-Jun-95 | 5634.092 |
| 08/484,858 | 7-Jun-95 | 5634.362 |

|            |          |          |
|------------|----------|----------|
| 08/484,865 | 7-Jun-95 | 5634.348 |
| 08/485,282 | 7-Jun-95 | 5634.361 |
| 08/485,283 | 7-Jun-95 | 5634.199 |
| 08/485,507 | 7-Jun-95 | 5634.304 |
| 08/485,772 | 7-Jun-95 | 5634.332 |
| 08/485,775 | 7-Jun-95 | 5634.077 |
| 08/486,258 | 7-Jun-95 | 5634.357 |
| 08/486,259 | 7-Jun-95 | 5634.257 |
| 08/486,265 | 7-Jun-95 | 5634.228 |
| 08/486,266 | 7-Jun-95 | 5634.337 |
| 08/486,297 | 7-Jun-95 | 5634.331 |
| 08/487,155 | 7-Jun-95 | 5634.308 |
| 08/487,397 | 7-Jun-95 | 5634.250 |
| 08/487,408 | 7-Jun-95 | 5634.356 |
| 08/487,410 | 7-Jun-95 | 5634.314 |
| 08/487,411 | 7-Jun-95 | 5634.318 |
| 08/487,428 | 7-Jun-95 | 5634.363 |
| 08/487,506 | 7-Jun-95 | 5634.350 |
| 08/487,516 | 7-Jun-95 | 5634.094 |
| 08/487,526 | 7-Jun-95 | 5634.355 |
| 08/487,536 | 7-Jun-95 | 5634.097 |
| 08/487,546 | 7-Jun-95 | 5634.325 |
| 08/487,556 | 7-Jun-95 | 5634.321 |
| 08/487,565 | 7-Jun-95 | 5634.327 |
| 08/487,649 | 7-Jun-95 | 5634.344 |
| 08/487,851 | 7-Jun-95 | 5634.252 |
| 08/487,893 | 7-Jun-95 | 5634.191 |
| 08/487,980 | 7-Jun-95 | 5634.076 |
| 08/487,981 | 7-Jun-95 | 5634.196 |
| 08/487,982 | 7-Jun-95 | 5634.095 |
| 08/487,984 | 7-Jun-95 | 5634.346 |
| 08/488,032 | 7-Jun-95 | 5634.189 |
| 08/488,058 | 7-Jun-95 | 5634.322 |
| 08/488,378 | 7 Jun 95 | 5634.339 |
| 08/488,383 | 7-Jun-95 | 5634.166 |
| 08/488,436 | 7-Jun-95 | 5634.336 |
| 08/488,438 | 7-Jun-95 | 5634.235 |
| 08/488,439 | 7-Jun-95 | 5634.185 |
| 08/488,619 | 7-Jun-95 | 5634.317 |
| 08/488,620 | 7-Jun-95 | 5634.354 |
| 08/498,002 | 7-Jun-95 | 5634.345 |
| 08/511,491 | 6-Jun-95 | 5634.274 |

**REMARKS**

In accordance with the duty of disclosure under 37 C.F.R. § 1.56(a), Applicants herewith submit a reference to all related copending U.S. Patent Applications now pending before the U.S. Patent and Trademark Office.

Date: December 13, 1995  
**HOWREY & SIMON**  
1299 Pennsylvania Avenue, NW  
Washington, D.C. 20004  
Tel: (202) 383-6614

Respectfully submitted,  
  
Thomas J. Scott, Jr.  
Reg. No. 27,836  
Attorney for Applicants

|  |   |                                 |
|--|---|---------------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | <b>Attorney Docket No.</b><br>5634.345                            | <b>Serial No.</b><br>08/498,002 |
|  | <b>Applicant(s)</b><br>John C. Harvey <i>and</i> James W. Cuddihy |                                 |
|  | <b>Filing Date</b><br>7-Jun-95                                    | <b>Group</b><br>2602            |

### U. S. Patent Documents

| Examiner Initial | Patent Number | Patent Date | Name              | Class / Subclass | Filing Date * |
|------------------|---------------|-------------|-------------------|------------------|---------------|
|                  | 2,875,270     | 2/24/59     | Wendt et al.      | 178/5.1          |               |
|                  | 3,440,427     | 4/22/69     | Kammer            | 250/210          |               |
|                  | 3,485,946     | 12/23/69    | Jackson et al.    | 178/6            |               |
|                  | 3,500,327     | 3/10/70     | Belcher et al.    | 340/154          |               |
|                  | 3,560,936     | 2/2/71      | Busch             | 340/172.5        |               |
|                  | 3,564,509     | 2/16/71     | Perkins et al.    | 340/172.5        |               |
|                  | 3,602,891     | 8/31/71     | Clark et al.      | 340/172.5        |               |
|                  | 3,651,471     | 3/21/72     | Haselwood et al.  | 340/172.5        |               |
|                  | 3,696,297     | 10/3/72     | Otero             | 325/55           |               |
|                  | 3,712,956     | 1/23/73     | Lemelson          | 178/6.6A         |               |
|                  | 3,733,431     | 5/15/73     | Kirk, Jr., et al. | 178/5.1          |               |
|                  | 3,836,888     | 9/17/74     | Boenke et al.     | 340/172.5        |               |
|                  | 3,848,082     | 11/12/74    | Summers           | 178/5.6          |               |
|                  | 3,849,729     | 11/19/74    | Van Baggem        | 325/31           |               |
|                  | 3,889,054     | 6/10/75     | Nagel et al.      | 178/6.8          |               |
|                  | 3,906,450     | 9/16/75     | Prado, Jr.        | 340/150          |               |
|                  | 3,936,868     | 2/3/76      | Thorpe            | 358/22           |               |

Examiner

Date Considered

**Examiner:** Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### U. S. Patent Documents

| Examiner Initial | Patent Number | Patent Date | Name             | Class / Subclass | Filing Date * |
|------------------|---------------|-------------|------------------|------------------|---------------|
|                  | 3,947,624     | 3/30/76     | Miyake           | 178/6            |               |
|                  | 3,947,972     | 4/6/76      | Freeman          | 35/8 A           |               |
|                  | 3,973,206     | 8/3/76      | Haselwood et al. | 325/455          |               |
|                  | 3,982,065     | 9/21/76     | Barnaby et al.   | 178/5.8          |               |
|                  | 3,984,637     | 10/5/76     | Caudill et al.   | 179/2            |               |
|                  | 3,987,397     | 10/19/76    | Belcher et al.   | 325/308          |               |
|                  | 3,996,583     | 12/7/76     | Hutt et al.      | 340/324          |               |
|                  | 4,016,361     | 4/5/77      | Pandey           | 358/83           |               |
|                  | 4,026,555     | 5/31/77     | Kirschner et al. | 273/85           |               |
|                  | 4,032,972     | 6/28/77     | Saylor           | 358/142          |               |
|                  | 4,042,958     | 8/16/77     | Saylor et al.    | 358/141          |               |
|                  | 4,048,562     | 9/13/77     | Haselwood et al. | 325/31           |               |
|                  | 4,052,719     | 10/4/77     | Hutt et al.      | 340/324          |               |
|                  | 4,055,848     | 10/25/77    | Fearnside        | 358/8            |               |
|                  | 4,064,490     | 12/20/77    | Nagel            | 364/200          |               |
|                  | 4,074,315     | 2/14/78     | Kawamura et al.  | 358/142          |               |
|                  | 4,078,316     | 3/14/78     | Freeman          | 35/8 A           |               |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### U. S. Patent Documents

| Examiner Initial | Patent Number | Patent Date | Name               | Class / Subclass | Filing Date * |
|------------------|---------------|-------------|--------------------|------------------|---------------|
|                  | 4,081,832     | 3/28/78     | Sherman            | 358/124          |               |
|                  | 4,096,524     | 6/20/78     | Scott              | 358/85           |               |
|                  | 4,099,258     | 7/4/78      | Parsons            | 364/900          |               |
|                  | 4,117,605     | 10/3/78     | Kurland et al.     | 35/9 A           |               |
|                  | 4,120,003     | 10/10/78    | Mitchell et al.    | 358/142          |               |
|                  | 4,134,127     | 1/9/79      | Campioni           | 358/16           |               |
|                  | 4,135,213     | 1/16/79     | Wintfeld et al.    | 358/142          |               |
|                  | 4,139,860     | 2/13/79     | Micic et al.       | 358/22           |               |
|                  | 4,144,495     | 3/13/79     | Metzger            | 325/4            |               |
|                  | 4,161,728     | 7/17/79     | Insam              | 340/750          |               |
|                  | 4,162,513     | 7/24/79     | Beyers, Jr. et al. | 358/191          |               |
|                  | 4,178,613     | 12/11/79    | Takahashi et al.   | 358/183          |               |
|                  | 4,203,130     | 5/13/80     | Doumit et al.      | 358/1            |               |
|                  | 4,218,698     | 8/19/80     | Bart et al.        | 358/22           |               |
|                  | 4,228,543     | 10/14/80    | Jackson            | 455/181          |               |
|                  | 4,231,031     | 10/28/80    | Crowther et al.    | 340/695          |               |
|                  | 4,233,628     | 11/11/80    | Ciciora            | 358/147          |               |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### U. S. Patent Documents

| Examiner Initial | Patent Number | Patent Date | Name             | Class / Subclass | Filing Date * |
|------------------|---------------|-------------|------------------|------------------|---------------|
|                  | 4,243,984     | 1/6/81      | Ackley et al.    | 340/703          |               |
|                  | 4,245,252     | 1/13/81     | Nagumo           | 358/213          |               |
|                  | 4,249,211     | 2/3/81      | Baba et al.      | 358/183          |               |
|                  | 4,261,006     | 4/7/81      | Weintraub et al. | 358/3            |               |
|                  | 4,270,145     | 5/26/81     | Farina           | 358/188          |               |
|                  | 4,278,973     | 7/14/81     | Hughes et al.    | 340/721          |               |
|                  | 4,278,993     | 7/14/81     | Suzuki           | 358/22           |               |
|                  | 4,308,558     | 12/29/81    | Hernandez et al. | 358/142          | 5/22/80       |
|                  | 4,315,282     | 2/9/82      | Schumacher       | 358/107          | 9/11/80       |
|                  | 4,320,256     | 3/16/82     | Freeman          | 179/6.04         | 11/27/79      |
|                  | 4,337,485     | 6/29/82     | Chambers         | 358/147          | 9/24/80       |
|                  | 4,344,090     | 8/10/82     | Belisomi et al.  | 358/183          | 9/13/79       |
|                  | 4,361,848     | 11/30/82    | Poignet et al.   | 358/1            | 5/17/79       |
|                  | 4,374,395     | 2/15/83     | Herrmann et al.  | 358/22           | 12/24/80      |
|                  | 4,377,870     | 3/22/83     | Anderson et al.  | 455/2            | 12/21/78      |
|                  | 4,413,281     | 11/1/83     | Thonnart         | 358/147          | 6/26/81       |
|                  | 4,420,656     | 12/13/83    | Freeman          | 179/6.04         | 8/24/81       |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### U. S. Patent Documents

| Examiner Initial | Patent Number | Patent Date | Name                 | Class / Subclass | Filing Date * |
|------------------|---------------|-------------|----------------------|------------------|---------------|
|                  | 4,420,769     | 12/13/83    | Novak                | 358/139          | 3/22/78       |
|                  | 4,422,486     | 12/27/83    | Maret                | 144/117R         | 1/21/81       |
|                  | 4,430,669     | 2/7/84      | Cheung               | 358/122          | 5/29/81       |
|                  | 4,433,379     | 2/21/84     | Schenk et al.        | 364/200          | 9/29/80       |
|                  | 4,443,660     | 4/17/84     | DeLong               | 178/22.04        | 2/10/82***    |
|                  | 4,449,114     | 5/15/84     | Fascenda et al.      | 340/988          | 3/26/82***    |
|                  | 4,531,021     | 7/23/85     | Bluestein et al.     | 178/22.08        | 8/13/84***    |
|                  | 4,860,379     | 8/22/89     | Schoeneberger et al. | 455/5            | 10/20/88***   |
|                  | Re. 31,977    | 8/27/85     | Ott                  | 364/200          | 8/19/83***    |
|                  | Re. 32,187    | 6/17/86     | Barda et al.         | 340/706          | 6/3/81        |

\*- If pertinent

\*\*\*- Claims priority from parent application filed prior to Nov. 3, 1981.

### Foreign Patent Documents

| Examiner Initial | Document Number | Publication Date | Country       | Class / Subclass | Translation<br>Yes      No |    |
|------------------|-----------------|------------------|---------------|------------------|----------------------------|----|
|                  | 1,066,931       | 4/26/67          | Great Britain | G 07c            |                            | No |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |



|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial   | Author, Title, Date, Pertinent Pages, Etc.   |
|--|--|
|  | Glover, S. "Automatic Switching at the Edmonton Television Studios," <u>SMPTE Journal</u> , November 1966, Vol. 75, pp. 1089-1092.   |
|  | Barlow, M.W.S., "The Remote Control of Multiplexed Telecine Chains," <u>SMPTE Journal</u> , April 1971, Vol. 80, pp. 270-275.  |
|  | Campbell, Keith D., "An Automated Video-Tape Editing System," <u>Journal of the SMPTE</u> , March 1970, Vol. 79, pp. 191-194.  |
|  | Bonney, R.B. et al., "A Proposed Standard Time and Control Code for Video-Tape Editing," <u>Journal of the SMPTE</u> , March 1970, Vol. 79, pp. 186-190.                             |
|  | Barlow, M., Letter to the Editor, "Re: Coding and Packaging Film for Broadcasting," <u>Journal of the SMPTE</u> , October 1969, Vol. 78, p. 889.                                     |
|  | Barlow, M., Letter to the Editor, "Re: Automation of Telecine Equipment," <u>Journal of the SMPTE</u> , April 1970, Vol. 79, pp. 345-346.  |
|  | Matley, J. Brian, "A Digital Framestore Synchronizer," <u>SMPTE Journal</u> , June 1976, Vol. 85, pp. 385-388.   |
|  | Connolly, W.G. et al., "The Electronic Still Store: A Digital System for the Storage and Display of Still Pictures," <u>SMPTE Journal</u> , August 1976, Vol. 85, pp. 609-613.       |
|  | Sadashige, K., "Overview of Time-Base Correction Techniques and Their Applications," <u>SMPTE Journal</u> , October 1976, Vol. 85, pp. 787-791.                                      |
|  | Siocos, C.A., "Satellite Technical and Operational Committee - Television (STOC-TV) Guidelines for Waveform Graticules," <u>SMPTE Journal</u> , November 1976, Vol. 85, pp. 878-879. |
|  | "Index to Subjects - January-December 1976 • Volume 85," 1976 Index to SMPTE Journal, <u>SMPTE Journal</u> , Vol. 85, pp. I-5 to I-13, I-15.   |
| Examiner   | Date Considered  |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |  |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial | Author, Title, Date, Pertinent Pages, Etc.   |
|------------------|--|
|                  | Rodgers, Richard W., "Design Considerations for a Transmission and Distribution System for SMPTE Time-Code Signals," <u>SMPTE Journal</u> , February 1977, Vol. 86, pp. 69-70. |
|                  | Allan, J.J., III, et al., "A Computer-Controlled Super-8 Projector," <u>SMPTE Journal</u> , July 1977, Vol. 86, pp. 488-489.   |
|                  | "Index to Subjects - January-December 1977 • Volume 86," 1977 Index to SMPTE Journal, <u>SMPTE Journal</u> , Vol. 86, pp. I-5 to I-14.   |
|                  | Hamalainen, K.J., "Videotape Editing Systems Using Microprocessors," <u>SMPTE Journal</u> , June 1978, Vol. 87, pp. 379-382.   |
|                  | McCoy, Reginald F.H., "A New Digital Video Special-Effects Equipment," <u>SMPTE Journal</u> , January 1978, Vol. 87, pp. 20-23.  |
|                  | Leonard, Eugene, "Considerations Regarding the Use of Digital Data to Generate Video Backgrounds," <u>SMPTE Journal</u> , August 1978, Vol. 87, pp. 499-504.                   |
|                  | Swetland, George R., "Applying the SMPTE Time and Control Code to Television Audio Post Production," <u>SMPTE Journal</u> , August 1978, Vol. 87, pp. 508-512.                 |
|                  | Moore, J.K., et al., "A Recent Innovation in Digital Special Effects, The CBS 'Action Track' System," <u>SMPTE Journal</u> , October 1978, Vol. 87, pp. 673-676.               |
|                  | Connolly, William G., "Videotape Program Production at CBS Studio Center," <u>SMPTE Journal</u> , November 1978, Vol. 87, pp. 761-763.   |
|                  | Nicholls, William C., "A New Edit Room Using One-Inch Continuous-Field Helical VTRs," <u>SMPTE Journal</u> , November 1978, Vol. 87, pp. 764-766.                              |
|                  | "Index to Volume 87 January-December 1978," <u>SMPTE Journal</u> , Part II to January 1979 <u>SMPTE Journal</u> , pp. I-1, I-4 to I-14.  |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial | Author, Title, Date, Pertinent Pages, Etc.   |
|------------------|--|
|                  | Wetmore, R. Evans, "System Performance Objectives and Acceptance Testing of the Public Television Satellite Interconnection System," <u>SMPTE Journal</u> , February 1979, Vol. 88, pp. 101-111. |
|                  | Bates, George W., "Cut/Lap: A New Method for Programmable Fades and Soft Edit Transitions Using a Single Source VTR," <u>SMPTE Journal</u> , March 1979, Vol. 88, pp. 160-161.                   |
|                  | Douglas, W. Gordon, "PBS Satellite Interconnection Technical Operations and Maintenance," <u>SMPTE Journal</u> , March 1979, Vol. 88, pp. 162-163.   |
|                  | Oliphant, Andrew et al., "A Digital Telecine Processing Channel," <u>SMPTE Journal</u> , July 1979, Vol. 88, pp. 474-483.  |
|                  | Bates, George W. et al., "Time Code Error Correction Utilizing a Microprocessor," <u>SMPTE Journal</u> , October 1979, Vol. 88, pp. 712-715.   |
|                  | Geise, Heinz-Dieter, "The Use of Microcomputers and Microprocessors in Modern VTR Control," <u>SMPTE Journal</u> , December 1979, Vol. 88, pp. 831-834.  |
|                  | "Index to Subjects - January-December 1979 • Volume 88," 1979 Index to SMPTE Journal, <u>SMPTE Journal</u> , Vol. 88, pp. I-4 to I-10.   |
|                  | "Advanced Transmission Techniques," <u>SMPTE Journal</u> , Report on the 121st Technical Conference, January 1980, Vol. 89, pp. 31-32.   |
|                  | "Anderson: Progress Committee Report for 1979 - Television," <u>SMPTE Journal</u> , May 1980, Vol. 89, pp. 324-328.  |
|                  | <u>SMPTE Journal</u> , May 1980, Vol. 89, p. 391, no title.  |
|                  | "The TCR-119 Reader," Gray Engineering Laboratories, <u>SMPTE Journal</u> , May 1980, Vol. 89, p. 438, (advertisement).  |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial   | Author, Title, Date, Pertinent Pages, Etc.   |          |                 |
|--|--|----------|-----------------|
|  | Hopkins, Robert S., Jr., "Report of the Committee on New Technology," <u>SMPTE Journal</u> , June 1980, Vol. 89, pp. 449-450.  |          |                 |
|  | Limb, J.O. et al., "An Interframe Coding Technique for Broadcast Television," <u>SMPTE Journal</u> , June 1980, Vol. 89, p. 451.   |          |                 |
|  | "Preliminary List of Papers," <u>SMPTE Journal</u> , September 1980, Vol. 89, p. 677.  |          |                 |
|  | Davis, John T., "Automation of a Production Switching System," <u>SMPTE Journal</u> , October 1980, Vol. 89, pp. 725-727.  |          |                 |
|  | "Video Tape Recording Glossary," <u>SMPTE Journal</u> , October 1980, Vol. 89, p. 733.   |          |                 |
|  | Advertisement, "CTVM 3 series of Barco master control color monitors", "Barco TV Modulator, Model VSBM 1/S", "VICMACS Type 1724 Vertical Interval Machine Control System", "Videotape Editing Controllers by US JVC Corp., RM-70U, RM-82U, RM-88U", <u>SMPTE Journal</u> , October 1980, Vol. 89, p. 820 et seq. |          |                 |
|  | Ciciora, Walter, "Teletext Systems: Considering the Prospective User," <u>SMPTE Journal</u> , November 1980, Vol. 89, pp. 846-849.   |          |                 |
|  | Hathaway, R.A. et al., "Development and Design of the Ampex Auto Scan Tracking (AST) System," <u>SMPTE Journal</u> , December 1980, Vol. 89, p. 931.   |          |                 |
|  | Connor, Denis J., "Network Distribution of Digital Television Signals," <u>SMPTE Journal</u> , December 1980, Vol. 89, pp. 935-938.  |          |                 |
|  | "Index to Subjects - January-December 1980 • Volume 89," 1980 Index to SMPTE Journal, <u>SMPTE Journal</u> , pp. I-5 to I-11.  |          |                 |
|  | "Index to SMPTE-Sponsored American National Standards, Society Recommended Practices, and Engineering Committee Recommendations," 1980 Index to SMPTE Journal, <u>SMPTE Journal</u> , pp. I-15 to I-20.  |          |                 |
| <table border="1" style="width: 100%;"> <tr> <td style="width: 70%;">Examiner</td> <td style="width: 30%;">Date Considered</td> </tr> </table>   |  | Examiner | Date Considered |
| Examiner   | Date Considered  |          |                 |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |  |          |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial | Author, Title, Date, Pertinent Pages, Etc.   |
|------------------|--|
|                  | Table of Contents, <u>SMPTE Journal</u> , February 1981, Vol. 90, Number 2, 1 page.  |
|                  | Table of Contents, <u>SMPTE Journal</u> , March 1981, Vol. 90, Number 3, 1 page.   |
|                  | Table of Contents, <u>SMPTE Journal</u> , April 1981, Vol. 90, Number 4, 1 page.   |
|                  | Table of Contents, <u>SMPTE Journal</u> , May 1981, Vol. 90, Number 5, 1 page.   |
|                  | "Television," <u>SMPTE Journal</u> , May 1981, pp. 375-379.  |
|                  | Table of Contents, <u>SMPTE Journal</u> , January 1981, Vol. 90, Number 1, 1 page.   |
|                  | Table of Contents, <u>SMPTE Journal</u> , June 1981, Vol. 90, Number 6, 1 page.  |
|                  | Table of Contents, <u>SMPTE Journal</u> , July 1981, Vol. 90, Number 7, 1 page.  |
|                  | Table of Contents, <u>SMPTE Journal</u> , August 1981, Vol. 90, Number 8, 1 page.  |
|                  | "American National Standard" "time and control code for video and audio tape for 525-line/60-field television systems," <u>SMPTE Journal</u> , August 1981, pp. 716-717.                     |
|                  | Table of Contents, <u>SMPTE Journal</u> , September 1981, Vol. 90, Number 9, 1 page.   |
|                  | "Proposed SMPTE Recommended Practice" "Vertical Interval Time and Control Code for Video Tape for 525-Line/60-Field Television Systems," <u>SMPTE Journal</u> , September 1981, pp. 800-801. |
|                  | Table of Contents, <u>SMPTE Journal</u> , October 1981, Vol. 90, Number 10, 1 page.  |
|                  | Kaufman, Paul A. et al., "The Du Art Frame Count Cueing System," <u>SMPTE Journal</u> , October 1981, pp. 979-981.   |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial | Author, Title, Date, Pertinent Pages, Etc.   |
|------------------|--|
|                  | "American National Standard" "dimensions of video, audio and tracking control records on 2-in video magnetic tape quadruplex recorded at 15 and 7.5 in/s," <u>SMPTE Journal</u> , October 1981, pp. 988-989. |
|                  | Table of Contents, <u>SMPTE Journal</u> , November 1981, Vol. 90, Number 11, 1 page.   |
|                  | Table of Contents, <u>SMPTE Journal</u> , December 1981, Vol. 90, Number 12, 1 page.   |
|                  | Powers, Kerns H., "A Hierarchy of Digital Standards for Teleproduction in the Year 2001," <u>SMPTE Journal</u> , December 1981, pp. 1150-1151.   |
|                  | "Application of Direct Broadcast Satellite Corporation for a Direct Broadcast Satellite System," Before the Federal Communications Commission, Washington, D.C., Gen. Docket No. 80-603, July 16, 1981.      |
|                  | Taylor, John P., "Comsat bid to FCC for DBS authorization: Questions of finances, 'localism,' monopoly," <u>Television/Radio Age</u> , May 4, 1981, pp. 42-44 and 80-81.                                     |
|                  | Taylor, John P., "Fourteen DBS authorization applications to FCC differ greatly in both structure and operations," <u>Television/Radio Age</u> , Oct. 5, 1981, pp. 40-42 and 116-119.                        |
|                  | Taylor, John P., "Comsat bid to FCC for DBS authorization: Is direct broadcasting the wave of the future?," <u>Television/Radio Age</u> , Mar. 23, 1981, pp. A-22-24 and A-26 and A-28-31.                   |
|                  | "SMPTE Journal Five-Year Index 1971-1975," <u>SMPTE Journal</u> .  |
|                  | "SMPTE Journal Five-Year Index 1976-1980," <u>SMPTE Journal</u> .  |
|                  | "Window on the World" "The Home Information Revolution," <u>Business Week</u> , Jun. 29, 1981, pp. 74-83.  |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial | Author, Title, Date, Pertinent Pages, Etc.   |
|------------------|--|
|                  | "Everything you've always wanted to know about TV RATINGS," A.C. Nielsen Company, brochure, 1978.  |
|                  | "Management With The Nielsen Retail Index System," A.C. Nielsen Company, 1980.   |
|                  | Wilson, Donald H., "A Process For Creating A National Legal Computer Research Service In The United States," remarks at the conference on <u>World Peace Through World Law and World Assembly of Judges</u> , Belgrade, Yugoslavia, Jul. 23, 1971. |
|                  | "Advanced Minicomputer-based Systems for Banking and Financial Institutions," Money Management Systems, Incorporated, brochure, 1980, 9 pages.   |
|                  | New York Stock Exchange, Inc., Computer Input Services, Schedule of Monthly Charges, Aug. 1, 1981, 1 page.   |
|                  | "How to increase training productivity through VIDEODISC and MICROCOMPUTER systems," seminar brochure, 1981.   |
|                  | O'Donnell, John et al., "Videodisc Program Production Manual," SONY, 1981.   |
|                  | "CAMP," Arbitron Cable, The Arbitron Company, product brochure, May 1980, 8 pages.   |
|                  | Ferretti, Fred, "For Major-League Addicts, A Way to Win a Pennant," <u>The New York Times</u> , Jul. 8, 1980, 1 page.  |
|                  | Christopher, Maurine, "BAR cable service set," <u>Advertising Age</u> , Sep. 21, 1981, pp. 68 & 72.  |
|                  | "In this corner, DIGISONICS!", <u>Media Decisions</u> , June 1968, 5 pages.  |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial   | Author, Title, Date, Pertinent Pages, Etc.   |          |                 |
|--|--|----------|-----------------|
|  | "Did the ad run?", <u>Media Decisions</u> , July 1969, pp. 44 et seq.  |          |                 |
|  | "DIGISONICS TV Monitor System Finds Defenders," <u>Advertising Age</u> , Dec. 8, 1969, 1 page.                 |          |                 |
|  | Dougherty, Philip, "Gathering Intelligence For Profit," newspaper article, 1981, p. D7.                        |          |                 |
|  | "Vidbits," <u>Advertising Age</u> , Sep. 21, 1981, p. 70.  |          |                 |
|  | "Measuring The Cable Audience," Ogilvy & Mather, Advertising, 1980, pp. H1-H8.                                 |          |                 |
|  | Cooney, John E., "Counting Cable's Gold Coins," <u>View</u> , Sep., 1981, 4 pages.                             |          |                 |
|  | "Cable TV Advertising," Paul Kogan Associates, Inc., No. 22, Feb. 18, 1981, 6 pages.                           |          |                 |
|  | "IDC begins monitoring," At Deadline, <u>Broadcasting</u> , Sep. 14, 1970, p. 9.                               |          |                 |
|  | "Contraband code," Closed Circuit, <u>Broadcasting</u> , Sep. 28, 1970, 1 page.                                |          |                 |
|  | "Listeners," Closed Circuit, <u>Broadcasting</u> , 1 page.   |          |                 |
|  | "Digisonics violated standards, says BAR," <u>Broadcasting</u> , Oct. 5, 1970, pp. 21-23.                      |          |                 |
|  | "Talent pay code put off," At Deadline, <u>Broadcasting</u> , Nov. 9, 1970, p. 9.                              |          |                 |
|  | "Digisonics' Aim Is Info Bank, Not Just Proof of Performance," <u>Advertising Age</u> , Nov. 9, 1970, 4 pages. |          |                 |
|  | "Digisonics pushes its coding method," <u>Broadcasting</u> , Dec. 7, 1970, p. 37.                              |          |                 |
| <table border="1" style="width: 100%;"> <tr> <td style="width: 70%;">Examiner</td> <td style="width: 30%;">Date Considered</td> </tr> </table>   |  | Examiner | Date Considered |
| Examiner   | Date Considered  |          |                 |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |  |          |                 |



|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial | Author, Title, Date, Pertinent Pages, Etc.  |
|------------------|---|
|                  | "No Digisonics friends show in comments," <u>Broadcasting</u> , May 24, 1971, p. 62.  |
|                  | "Digisonics' dilemma," <u>Media Decisions</u> , June 1971, 6 pages.   |
|                  | "IDC encoding system still alive at FCC," <u>Broadcasting</u> , Sep. 27, 1971, p. 31.   |
|                  | Howard, Niles A., "IDC drops tv monitoring; mulls revival," reprint from <u>Advertising Age</u> , Feb. 3, 1975, 1 page.   |
|                  | Russell, R.T. "Teletext remote control," part 1, <u>Wireless World</u> , April 1979, 4 pages.   |
|                  | Russell, R.T. "Teletext remote control", part 2, <u>Wireless World</u> , May 1979, pp. 83-86.   |
|                  | Pandey, K. "Second generation teletext and viewdata decoders," <u>Proceedings IEE</u> , Vol. 126, December 1979, pp. 1367-1373.   |
|                  | Hedger, J. et al. "Telesoftware: adding intelligence to teletext," <u>Proceedings IEE</u> , Vol. 126, December 1979, pp. 1412-1416  |
|                  | Sigel, Efrem et al. <u>Videotext: The Coming Revolution in Home/Office Information Retrieval</u> . (White Plains, NY: Knowledge Industry Publications, Inc., 1980), pp. 6, 7, 13, 28, 33, 34, 36, 37. |
|                  | Roizen, Joseph. "Teletext in the USA," <u>SMPTE Journal</u> , Vol. 90, July 1981, pp. 602-610.  |
|                  | Money, Steve A. <u>Teletext and Viewdata</u> (London: Butterworth & Co., Ltd., 1981), preface, pp. 1-145, glossary and index.   |
|                  | Risher, Carol A. "Electronic Media and the Publishers, Part 1: Teletext," <u>Videodisc Videotex</u> , Vol. 1, No. 3, Summer 1981, pp. 162-167.  |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial | Author, Title, Date, Pertinent Pages, Etc.   |
|------------------|--|
|                  | Chew, J.R. "CEEFAX: evolution and potential," BBC Research Department Report No. BBC RD 1977/26, August 1977, table of contents, pp. 1-14 and appendix.  |
|                  | Hedger, John. "Telesoftware: Home computing via teletext," <u>Wireless World</u> , November 1978, pp. 61-64.   |
|                  | Anon. <u>VIDEOTEX '81</u> , International Conference & Exhibition, May 20-22, 1981, Toronto, Canada (Northwood Hills, UK: Online Conferences, Ltd; 1981), pp. 78-84.                                   |
|                  | Winsbury, Rex, ed. <u>Viewdata in Action: A Comparative Study of Prestel</u> (London: McGraw-Hill, Ltd., 1981), pp. 10-12, 31, 35, 36, 57-61, 102, 103, 109, 202-204, 211-219.                         |
|                  | "Colloquium on Broadcast and Wired Teletext Systems - Ceefax, Oracle, Viewdata," Tuesday, 13 January 1976, IEE Electronics Division, Professional Group E14 (Television and Sound), Digest No. 1976/3. |
|                  | Anon. "Updating databases by off-peak TV," <u>New Scientist</u> , 21 October 1976, p. 162.   |
|                  | Marti, Bernard. "New Ancillary Services Using a Television Channel," <u>SMPTE Journal</u> , Vol. 86, November 1977, pp. 815, 817, 818.   |
|                  | Biggs, A.J. et al. "Broadcast data in television," <u>GEC Journal of Science and Technology</u> , Vol. 41, No. 4, 1974, pp. 117-124.   |
|                  | Heuer, D.A. "A Microprocessor Controlled Memory Tuning System," <u>Consumer Electronics</u> , Vol. CE-25, No. 4, August 1979, pp. 677-683.   |
|                  | Marti, Bernard et al. "ANTIOPE, service de télétexte," journal unk., pp. 17-22.  |
|                  | Lipoff, Stuart J. "Mass Market Potential for Home Terminals," <u>Consumer Electronics</u> , vol. unk., pp. 169-184.  |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |

|  |  |                          |
|--|--|--------------------------|
| <b>Information Disclosure Statement by Applicant</b><br><br><b>Title: Signal Processing Apparatus and Method</b> | Attorney Docket No.<br>5634.345                            | Serial No.<br>08/498,002 |
|  | Applicant(s)<br>John C. Harvey <i>and</i> James W. Cuddihy |                          |
|  | Filing Date<br>7-Jun-95                                    | Group<br>2602            |

### Other Documents

| Examiner Initial | Author, Title, Date, Pertinent Pages, Etc.   |
|------------------|--|
|                  | Crowther, G.O., "Adaptation of U.K. Teletext System for 525/60 Operation," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, Aug. 1980, pp. 587-599.  |
|                  | Gosch, John, "Code accompanying TV program turns on video cassette recorder in proposed scheme," <u>Electronics</u> , Feb. 10, 1981, pp. 80-82.  |
|                  | Somers, Eric, "Appropriate Technology for Text Broadcasting," <u>Viewdata and Videotext, 1980-81: A Worldwide Report</u> , Transcript of viewdata '80, first world conference on viewdata, videotex, and teletext, Knowledge Industry Publications, Inc., White Plains, New York, Copyright 1980 by Online Conferences, Ltd., pp. 499-514. |
|                  | Dages, Charles L., "Playcable: A Technological Alternative for Information Services," <u>IEEE Transactions on Consumer Electronics</u> , Vol. CE-26, Aug. 1980, pp. 482-486.   |
|                  | Norris, Bryan L. et al., "Teletext Data Decoding," <u>IEEE Transactions on Consumer Electronics</u> , Aug. 1976, pp. 248-253.  |
|                  | Kokado, N. et al., "A Programmable TV Receiver," <u>IEEE Transactions on Consumer Electronics</u> , Vol. 22, No. 1, Feb. 1976, pp. 69-83.  |

|  |                 |
|--|-----------------|
| Examiner   | Date Considered |
| <b>Examiner:</b> Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                 |